Missouri Botanical Garden

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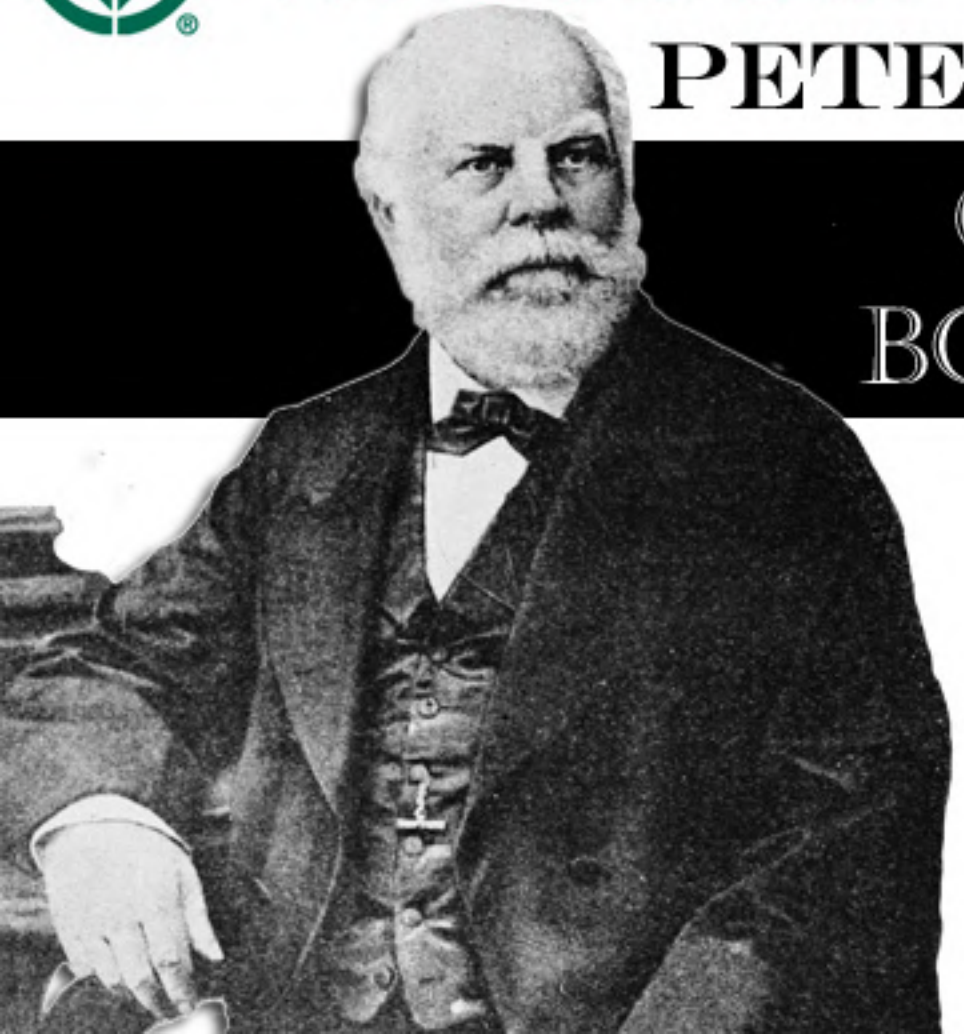
George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

1034-1047

36

194 | 1500
1400 | 1245
415 | 1245 | 2550
1550

Disiscaotus

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cm
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Microspus angustifolius

Sp. California

From Nuttall

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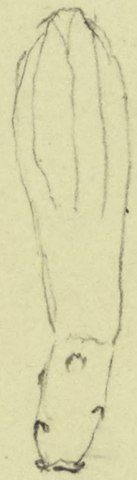
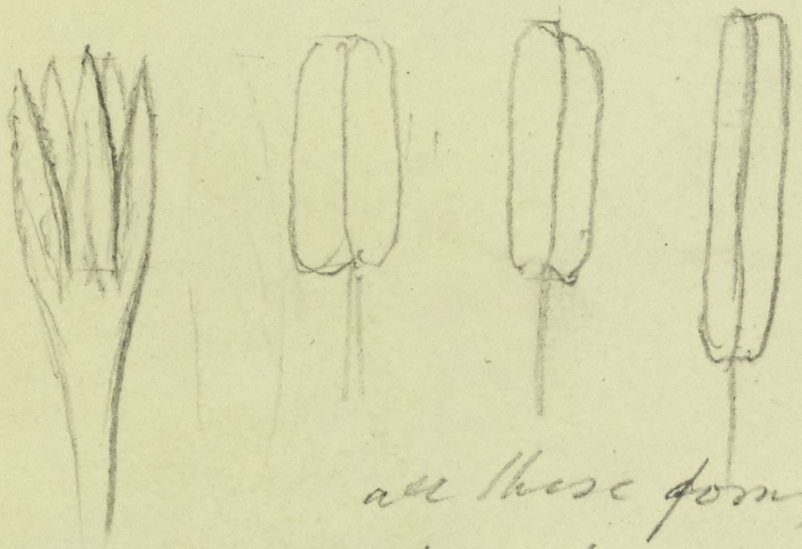
Cereus (Lisianotus)

June 20 1870

Isthmus of Darien, on trees

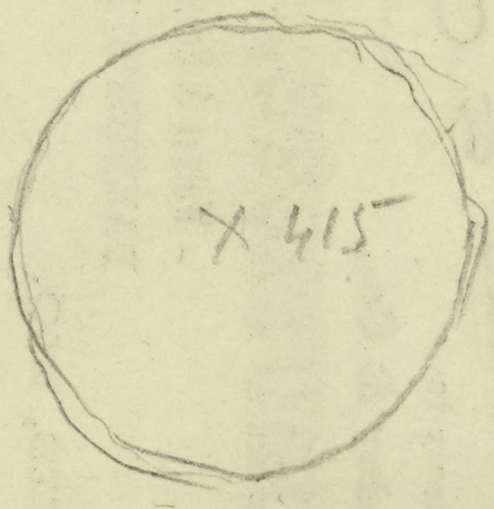
A. Schott Feb 1856





× 10

all these forms of anthers found in same flower



× 415

Style × 4

ovary × 4

2 scales at base, 4 on ovary

2219

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Disisometrum

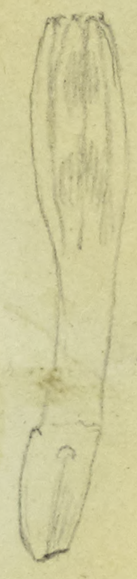
Nov Granada Sta Marta

April 1845

Purdie

Dem 20 1870

ex Hb Kew 1857

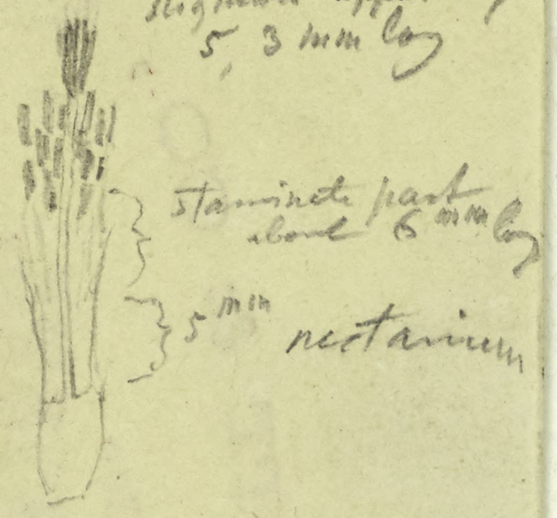


Col open

stamen ×10

filament very slender

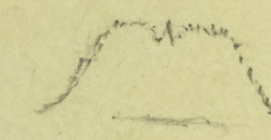
anther cream, over 2 mm long



13–14 upper sepals & petals

Tube naked, 2 or 3 angled

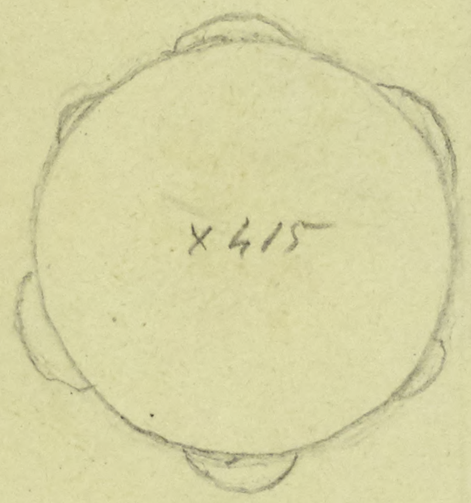
Ovary



sepal of ovary ×10

16

K. 15 lobes or 32–35 mm long



many pollengrains

had 6 visible

transparent

protuberances

The pollen grains appear ± smaller pores

& angular

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Wikes Sept 1869

Epiphytal on trees, Sta Martha
N. Granada, Purdie, April 1845

Branches from ½ to 1 metre long
5 — 10 cent wide elegantly ornate
with small red flowers — which
have to be examined yet, — probably
a Dendrobium —

Have made a sketch of the plant
in 1852.

2221

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Herb Hook Aug. 1857

" Epiphytal on trees, Sta Martha
John Purdie, April 1845 "

Scandy like a Phyllomedusa, 6 – 25 inches long 3 inches wide
obtusely crenate, flowers from upper crenatures

flow. not more
than 1 inch long. red

2922

Can it be another Species
of Dichaea?

Schott collected the same at
the Isthmus (Atrato)

lower part of the plant
25 inches & caught; also bearing flowers

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Ceylon

Rhipsalis ---- (sub nom. Opuntia tenuis)
multi
alata, with small flowers, fr. Brazil

Rhipsalis - Brazil, Mr Isabelle -
flowers same, stem much smaller yet

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Rhipsalis Ceylon native worship
teretic branches (Mrs Genl Walker

Rhipsalis Rio Grande, Fendler
is to the Ceylon one very similar only
smaller in all parts.

Rhips. Vern Cruz to Orizaba Fred. Müller
1870
teretic, thin, pendulous with branches
of coarse wool here and there —
what is it? yet teretic, not flattened.

Rhipsalis Cassyta " Para Brunt
" Spruce — very similar to last,
teretic, yet blunt, — very fruit

Rh. Cassyta

Fendler 1128 Texas, is same?
more tender, impressed in the
herbarium — fruit one?

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May 5. 1863

2223

Cereus (Diisocactus) bifornis Lindl.

Flowers purpureis ~~minus~~ quam bipollicaribus longis, Ovario ~~infra insigne~~ tuboque vix inermi ~~parte~~ parum squamulis sepalis interioribus sub 4- linearibus acutis apice recurvis petalis sub-4 paulo latiore acuta fere superantibus recurvatis staminibus fere uni-seriebus petalis adnexis ~~longis~~ longioribus, vix declinatis,

stylo exserto stigmatibus 4-5 filiformibus brevi ovato supra attenuato, patroso sanguineo lobatis.

Honduras Lindl. - Cult H. D. Mission (from Hort Salm) H. May.

Flowers 20-23 lines long, scarcely curved, deep red, ovary with about 5 minute triangular scales, 3 to 5 gradually larger ones on the tube, on the upper part of which about 4 narrow bracts - Calyx segments with rounded points, include about 4 a little broader erect petals; inside the tube is naked for about 4-5 lines, then 8-13 stamens in a single or almost double row some of the attached a little lower down; stamens as long as the corolla; anthers linear, 1/4 l. long, very narrow; Pollen grains rough, globular, 0.034-0.036 l. diam. stigmata exsert, lobes linear acute, 2 1/2 l. long, usually 4, rarely 5.

Berry (at Hort Dyck, Jan. 1857) Ovoal, 6-7 l. long attenuated upwards, with a few minute scales and a narrow umbilicus, ~~red~~ purple juicy pulp

Seeds numerous, obovate, 0.7 l. long, dark chestnut brown, shining, almost smooth or very minutely pitted, with a linear ventral ~~hilum~~ or anterior hilum, slight dorsal keel, testa thin but brittle, albumen none, embryo curved, hooked, cotyledons plicate incumbent, radicle oblique,

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Disisocactus biformis

May 5 1863

H. B. Nelson

2224

×415

×10

0.034

4 stig-

4 petals

4 sepals

7 scales

×10

7 scales to ovary & corner tube

8 stam. in 1 series

4 lines free

M. W. ALEXANDER,
SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,
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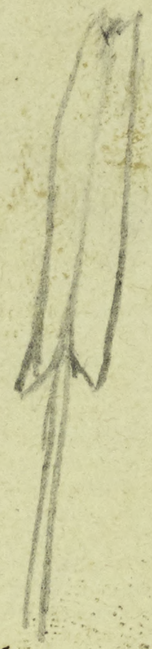
Dissochaeta biformis
May 1860

H.B. Mission.



Pollen $\frac{14}{41\frac{1}{2}} - \frac{15}{41\frac{1}{2}}$ oblong in water 0.034 – 0.036

ovule $\frac{12}{60} - \frac{14}{60}$ l. long = 0.034 – 0.036

Stam. purple
anther pale yellow
long l. exsert

petals lanceolate acute

4 – 5 acute
stigmata white

style purple – rose

2225

flower 20 – 22 l. long, stigm exsert
ovary 3/4 l. long with 5 triangular, minute scales
naked part of tube about 5 l. long. – tube with 5 short sepals
stamen about 13 in a single or almost double
row in the throat
petals 10 – 12 l. long 5 – 8 upper sepals & petals.

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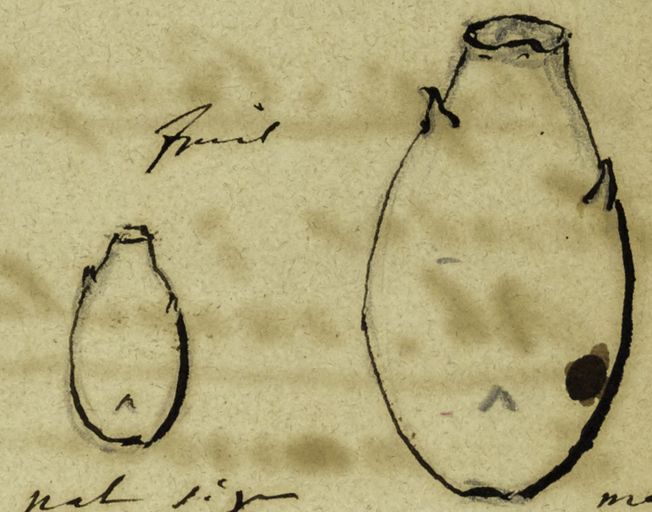
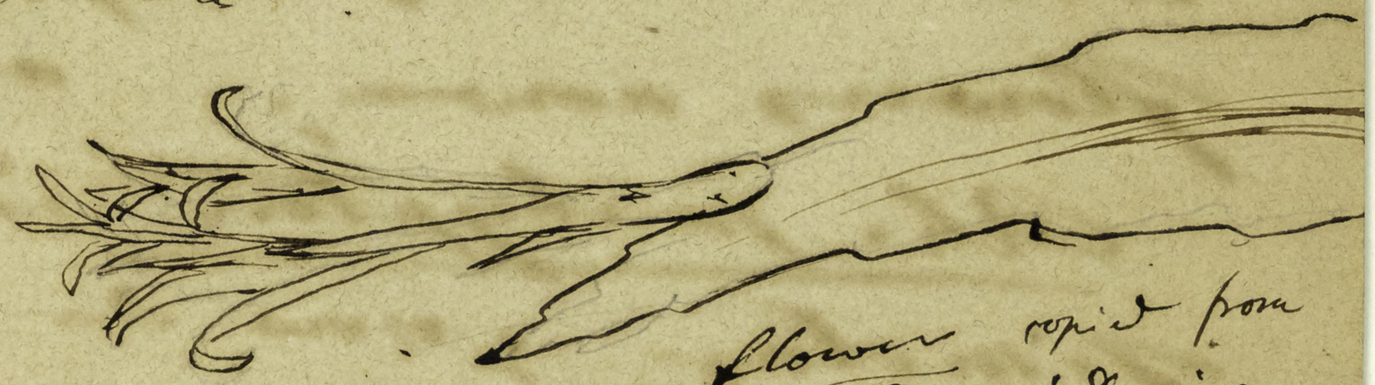
VI. H Dyck Jan 1857

2226

Disiso ractus bifonnis

Erba herbosa, robusta, ramosa
spicam attenuata, elongata
nudiuscula, squamis
4 – 6 minutis instructa
rel flores, 4 stigmata





flower copied from
Dr Salm's Drawing

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Ah. fs. Canyta ĭ now coving with white
bunies ; it ĭ tenta
Ah. ramulosa has unripe fruit, it
ĭ narrow winged.
Ah. rhombea, Scartziana, ripeta
are broad winged, yellow or yellowish
flowers now ; all now in bloom
Ah. pachyptera ĭ stouter, else
similar ; now in bloom
Ah. intraptera very various as

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Disisocactus

Frankfurt Febr. 1859

Disisocactus biformis Lindl

Sem 0.7 lin long dark chestnut brown, shining, almost smooth or very finely scrobiculate; brittle but thin testa; — seed obovate elongat compressed, hilum anterior subvent ral; oblong linear slight dorsal keel albumen none; at its place a brown thickened spot in the seedcoat; embryo curved, cotyledons incumbt sometimes obliqua. Embryo 0.6'

2227

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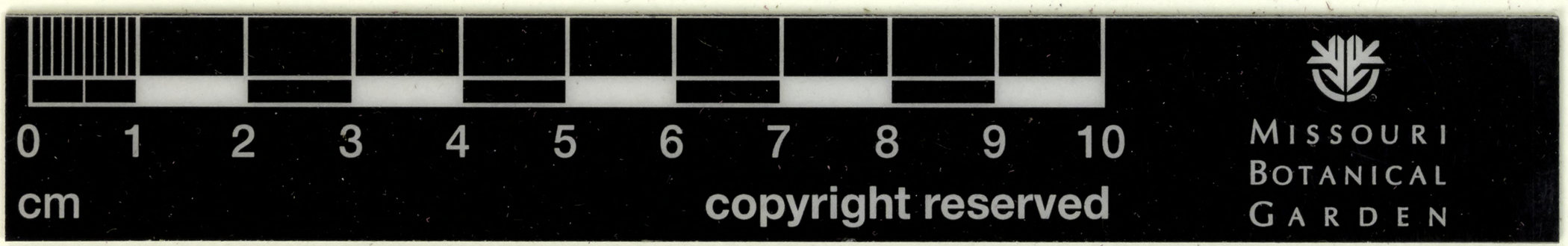

May 5 1893

2228

Cereus (Disisocactus) bicrialis spec nov.

Caule compresso – bialato crenato inermi

floribus purpureis (bipollicaribus, ultra

Ovario infimoque tubi parte inermi squamatis, superne

nuda

(sepalis sub 5 interioribus lineari-lanceolatis acuminatis sub 5

petalis 5–6 lanceolatis acutis erectiusculis) aequantibus

staminibus biserialibus declinatis exsertis

stylo longe exserto, stigmatibus 4–5 filiformibus patulis.

Collected by Mr Isaac Buchanan, New York. She received it with a lot of Orchideae from tropical America, believed to come from Honduras. Sent by Prof J. Thurber — living.

Flower 2¼–2½ inches long, curved, deep red, with about 6–7 triangular scales on the globose-ovate Ovary and about 2 a little larger ones on the lowest part of the tube; above these the tube is naked for 7 or 8 lines, when 5 erect-ish very narrow & acute sepals is on series appear, including 5–6 petals of the same length, but wider and of a more purplish tinge. Inside the lower part of tube is naked for 6 lines, up to the lower series of 9 or 10 stamens; when after another naked space of 5 lines in length the upper series of stamens (about 15 in numbers) is inserted just in the throat of the flower tube; the naked space between both series of stamens is usually occupied by 1 or 2 stamens, isolated Anthers oval, emarginate above and below, less than 1 line in length, + Stamens exsert about 2–3 lines beyond the tips of the petals, and somewhat successively declined. Style 4 or 5 lines longer the stamens. Stigmas about 1 l. long. Pollen globular, roughish spinulose 0.040–0.044 lines in diameter.

Differs from Cereus biformis Lind by the larger flowers, with more numerous parts, the erect sepals, exsert stamens & style, & shorter oval & broader anthers & short stigmats larger pollen

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July 18th 1863. Received from Mr L. Buchanan a branch with fruit:

Fronds bifarious, elongate — ovate pinnatifid or pinnatisect lanceolate dentate, ovolis pars tomentosis s. nudis, setis paucis basin versus munitis,

Costa lageniformis, apice angusta umbilicato restricta, flagris reductis nunc persistentibus nunc deciduis, sessilia ovata fusca lucida, hilo subventrali oblongo hiante.

Branches seen by me 1/2 — 1 inch wide, 3 — 6 inches long, pinnate — ones strongly angular or winged, while in the other species (C. bifarius) they are terete. with about 5 scales

Fruit & same size and shape as C. bifarius, seed shorter and thicker, cotyledons hooked, plicate parallel, or often more or less oblique.

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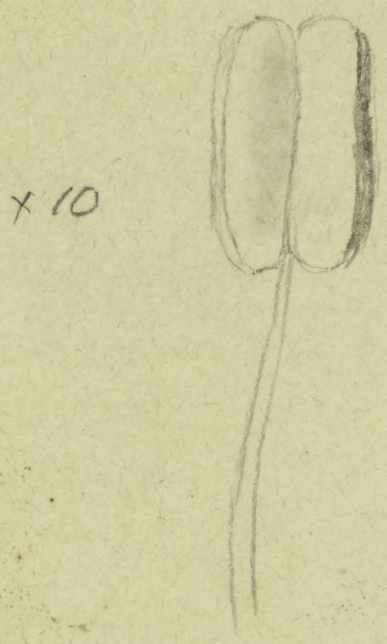
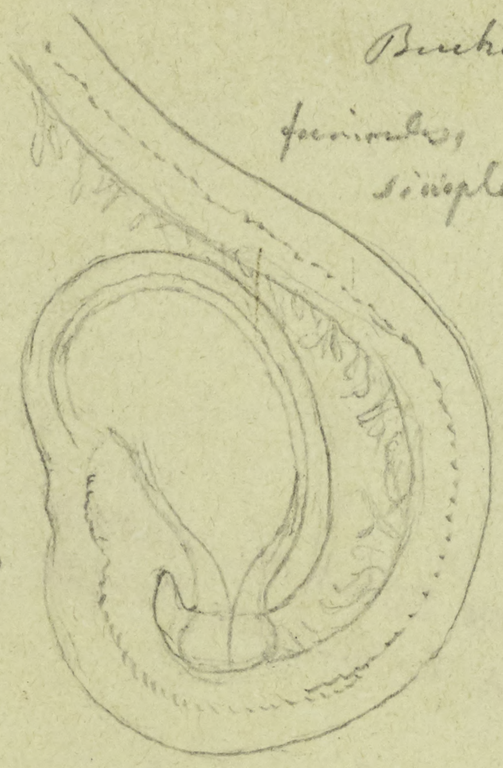
Dr. Horatio Ellerslie

May 5 1863

Buchanan Nyork mill for South America



x 10

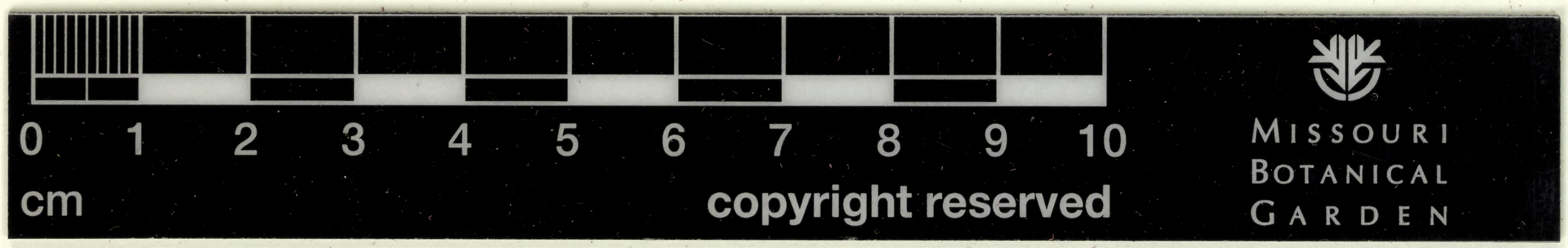


x 60

Follin x 415

0.040 – 0.044

2229



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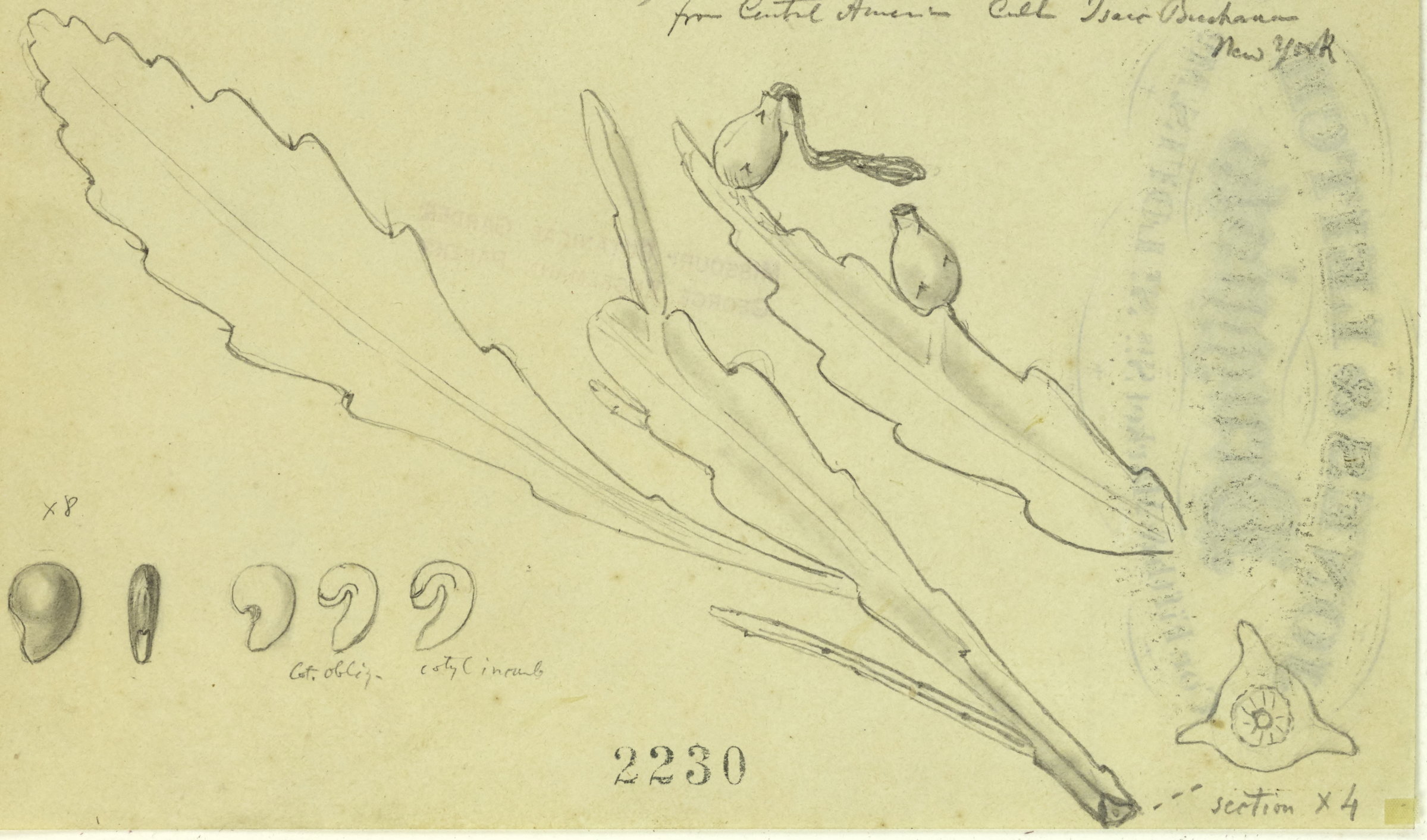
Cereus (Disisocactus) biserialis Eng. July 18 1863

from Central America Coll Isaac Buchanan

New York



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Cereus (Disisocactus) biserialis n. sp.

May 5 1863

Buchanan, N York
cultiv.
from South America
J. Thurber mist
vid.

5 Sepal
5–6 petal

upper... ... ...
Stamen
Low... ...

8–9 Scales
(2 adnate
higher than
ovary

×4

Lower part of
tube 6 mm C. inclusa
10 stamens the (9–8)
the 5 C. inclusa
15 stamens

×10

2561

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